

09771919

PLUS Search Results for S/N 09771919, Searched June 25, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4493119
5639953
6056409
4815218
5623367
5700178
6081372
6135984
4398773
4485906
4526549
4769108
4923465
4924161
5291361
5373944
5392497
5502377
5503592
5561657
5682364
5729408
6078769
6148526
6213448
6213448
3676823
4256139
4305816
4398776
4403763
4412320
4435795
4498415
4516729
4535695
4547066
4556303
4560345
4570092
4579011
4591350
4805313
4817454
4837912
4852700
4853013
4862302
4863459
4866286

(4493119
5639953
6056409
4815218
5623367
5700178
6081372
6135984
4398773
4485906
4526549
4769108
4923465
4924161
5291361
5373944
5392497
5502377
5503592
5561657
5682364
5729408
6078769
6148526
6213448
6213448
3676823
4256139
4305816
4398776
4403763
4412320
4435795
4498415
4516729
4535695
4547066
4556303
4560345
4570092
4579011
4591350
4805313
4817454
4837912
4852700
4853013
4862302
4863459
4866286).pn.

09771919_WEST

(4493119 5639953 6056409 4815218 5623367 5700178 6081372 6135984 4398773 4485906 4526549 4769108 4923465 4924161 5291361 537
3944 5392497 5502377 5503592 5561657 5682364 5729408 6078769 6148526 6213448 6213448 3676823 4256139 4305816 4398776 4403763
4412320 4435795 4498415 4516729 4535695 4547066 4556303 4560345 4570092 4579011 4591350 4805313 4817454 4837912 4852700 485
3013 4862302 4863459 4866286).pn.

09771919_QUAL

4493119 67
5639953 61
6056409 61
4815218 61
5623367 61
5700178 61
6081372 61
6135984 61
4398773 53
4485906 53
4526549 53
4769108 53
4923465 53
4924161 53
5291361 53
5373944 53
5392497 53
5502377 53
5503592 53
5561657 53
5682364 53
5729408 53
6078769 53
6148526 53
6213448 53
6213448 53
3676823 53
4256139 53
4305816 53
4398776 53
4403763 53
4412320 53
4435795 53
4498415 53
4516729 53
4535695 53
4547066 53
4556303 53
4560345 53
4570092 53
4579011 53
4591350 53
4805313 53
4817454 53
4837912 53
4852700 53
4853013 53
4862302 53
4863459 53
4866286 53

aaer 1
about 6
above 1
absence 2
abstract 1
abundant 1
accomplished 1
accor 1
accordan 1
accordance 1
according 3
accordingly 9
addition 1
after 1
against 2
alld 1
alone 1
along 2
also 6
alternatively 1
always 1
ame 2
amount 2
an 23
and 140
angry 1
animal 3
ann 2
another 4
anu 2
any 1
apparent 1
appear 1
appended 1
application 2
applications 1
appreciated 1
appropriate 1
arbitrarily 1
are 49
arl 1
arld 1
arm 16
arranged 2
art 2
as 32
at 10
attached 1
attachment 1
attorney 14
awaited 2
axes 1
back 3
background 1
base 1
based 3
be 34
been 3
being 3
below 1
between 2
block 2
brmsed 1
bodies 48
body 2
bonding 1
both 3

bottom 1
brief 1
by 30
cam 1
cams 7
can 31
cannot 1
case 3
cases 1
cations 1
cause 1
caused 12
causes 5
causing 3
center 6
change 1
changes 1
chart 2
circunferential 1
circular 2
circumferential 6
claims 2
closed 2
closes 1
cnnot 1
coaxially 2
colmecting 5
come 1
command 4
common 1
components 3
comwcted 1
comwcting 1
con 1
confonnity 1
connecting 11
connects 4
conneding 1
consfnntly 1
consgurations 1
constantly 4
constructed 1
contact 2
contacts 2
continuously 1
control 2
controlled 1
controller 9
controls 1
convspnd 1
correspond 1
cotmtd 1
could 3
countdown 1
counted 1
counter 5
counting 1
coupled 1
coupling 2
covers 1
cranks 5
crnks 1
cross 1
ct 4
cun 1
cunrt 1
current 7

cylindrical 1
dance 1
deep 1
defines 1
defnes 1
degrees 1
depming 1
depth 5
described 3
description 1
descriptitm 1
designated 1
designating 1
desired 9
destination 4
detail 2
detailed 1
detected 4
detection 16
detects 6
detedion 2
detenuined 1
determined 5
determines 1
device 42
devices 6
deviie 1
dght 1
diagram 2
diameter 2
different 1
direction 13
disclosed 2
disclosure 1
discussed 2
disk 56
displayed 2
disposed 4
distance 5
dlive 1
docket 14
doll 8
dolls 2
done 1
downward 17
downwardly 3
drawings 1
drive 7
driven 5
driving 7
each 1
easily 2
ective 1
edges 1
ee 1
effectively 1
elements 1
embed 1
embodiment 15
embodiments 1
enable 1
end 15
ends 4
engage 1
engaged 1
engages 4
engaging 25

ent 1
entirety 1
entitled 1
equal 1
equipped 1
equivalents 1
etc 6
example 1
exhibited 1
exnmple 1
exploded 3
expressed 1
expressing 4
expression 29
expressions 17
eye 2
eyeball 38
eyebrow 11
eyebrows 1
eyes 10
face 1
facial 4
facing 1
fan 1
far 1
fastened 4
feature 4
february 1
fhe 1
field 1
fifth 1
fig 2
figs 3
figtzre 1
figure 23
figures 6
first 5
fixed 1
flag 2
flat 4
flow 2
following 2
fonmed 2
fonned 7
fonued 2
fonvard 3
for 3
form 2
formed 15
forward 3
fourth 1
fr 3
frame 3
free 3
freedom 1
from 15
front 5
fshr 14
ft 1
gdpped 1
gear 6
generated 4
given 1
glipping 1
goove 1
gripped 2
gripping 4

groove 29
half 1
has 6
have 3
he 1
head 1
heights 1
hemispherical 1
herein 1
hidden 1
hole 2
holes 3
home 11
hooks 1
how 1
however 1
hr 1
ic 1
if 2
ight 1
illustated 1
illustrated 11
illustrates 2
illustrating 3
illustration 1
imparted 1
implementations 1
in 95
includes 20
incomorated 1
incorporated 2
indentations 1
indicates 1
indicating 4
ineludes 1
inner 2
inquisitive 1
inseded 1
inserted 2
inside 2
installed 8
integral 1
intended 1
intennediate 1
interior 1
intervals 3
into 5
invention 17
inwardly 1
is 121
it 11
its 2
japanese 1
jc 1
joining 1
joyous 1
later 1
lc 1
le 2
lea 2
leaf 18
left 12
length 1
lf 1
light 2
limit 2
linkage 2

linked 1
lirst 1
ln 7
Invention 2
located 1
loosely 1
lower 1
made 2
magnets 2
makes 1
maximum 2
may 1
meandering 1
mechanism 10
member 47
members 3
memory 2
mentioned 1
method 1
minimized 1
minimum 1
modi 1
modifications 1
more 3
motor 18
mounted 1
move 2
movement 4
movements 3
multiple 2
must 1
natural 1
neck 2
need 1
next 2
nms 2
nnimal 1
nnn 1
no 14
not 1
nrm 1
number 1
obtained 1
of 166
off 7
ols 1
om 2
on 39
once 1
one 2
oned 1
only 1
ont 1
open 1
opened 1
opening 1
opens 1
operation 4
or 15
order 1
other 1
output 1
outputs 1
outside 1
outwardly 1
overcome 1
page 14

pal 1
part 16
particular 1
parting 1
parts 4
pass 1
passes 1
past 1
patent 1
path 1
performing 1
performs 2
person 1
perspective 3
photo 1
pin 2
pinion 2
pivot 24
pivotal 1
pivoted 4
pivoting 7
place 1
placed 1
plan 2
plate 2
plates 7
portion 3
pos 13
posi 1
posit 1
position 65
positioned 1
positions 8
possible 7
power 2
pper 1
practical 1
projection 1
presence 2
present 1
pressed 1
prior 1
priority 1
proceeds 3
processing 3
produce 2
produced 1
produces 6
producing 1
program 1
projection 2
projections 1
proposed 1
protrudes 1
protruding 1
protrude 3
protrudes 4
protruding 1
provide 1
provided 1
pulled 1
pupils 3
purposes 1
qi 1
quickly 1
ranks 1
rapidly 1

rb 1
rcIIImferential 1
re 1
reached 2
reaches 2
read 1
realistically 1
rear 3
rearwardly 1
received 1
recess 2
recessed 24
recesses 4
recognize 2
recognized 3
recognizes 2
reference 5
reflective 1
register 3
relates 1
relationship 2
relationships 1
relative 3
relevant 1
represents 1
respectively 2
result 8
resulting 1
results 2
rettlrns 1
reverse 4
rhe 1
right 12
ro 1
robot 1
rom 3
roove 1
rotate 5
rotated 5
rotates 2
rotating 4
rotation 9
rotational 32
routine 2
rrhe 1
rst 1
runs 1
sad 1
scope 3
screw 1
screws 1
second 8
sectional 1
see 2
selected 1
selection 1
sensor 1
set 5
seven 1
seventh 1
sha 1
shaa 3
shaas 5
shafhsupported 1
shafq 1
shaft 15
shafts 6

shahs 2
shallow 1
shape 1
shaped 3
short 1
shortcomings 1
shortest 3
should 3
show 2
showing 2
shown 14
shows 3
side 10
sides 1
similarly 1
simple 2
simply 1
since 2
single 1
sixth 1
skilled 2
sleeping 3
slightly 1
smaller 1
so 36
some 2
source 1
space 1
spacing 1
spdng 2
specified 1
specific 1
specified 1
specifk 1
specitied 1
spirit 2
spling 1
split 2
spring 3
st 18
standard 2
start 4
state 5
step 9
steps 5
sti 1
stio 2
stood 1
stop 1
stopped 4
stored 1
substantially 2
such 2
suited 1
summary 1
supply 2
supported 3
supporting 18
supports 4
surface 14
surfaces 7
sw 12
swi 8
swing 9
swinging 9
swings 3
switch 19

switched 12
switches 1
switching 3
synchronization 2
synclunization 1
system 3
table 7
taction 1
taken 1
tb 5
technical 1
than 2
that 82
the 533
their 1
there 1
therefore 1
therein 1
thereof 2
these 5
they 2
this 10
three 1
through 3
thus 10
tiled 1
time 4
times 2
timetable 1
ting 1
tip 13
tkough 1
tlag 3
tlaird 1
tlarough 1
to 90
together 1
tokugan 1
toward 2
toy 3
toyr 1
toys 2
tubular 2
two 17
type 1
types 1
ul 1
understood 1
unintended 1
unit 1
until 2
uplight 1
upper 4
upward 17
upwardly 3
us 14
used 3
uses 2
using 2
uyl 1
vades 1
value 2
variations 2
varied 1
varies 1
various 9
vary 3

varying 20
vertical 1
via 1
view 5
viewed 1
views 3
voice 2
waits 1
walls 1
wave 1
weight 1
when 19
where 3
which 22
while 2
whose 1
will 3
with 25
within 1
without 2
would 1
zero 1

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09771919 on June 25, 2004

Original Classifications

2 251/129.15

Cross-Reference Classifications

2 251/337

2 251/356

2 359/363

Combined Classifications

2 251/129.15

2 251/337

2 251/356

2 359/363

2 369/179

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09771919 on June 25, 2004

- 2 251/129.15 (2 OR, 0 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/129.01 ELECTRICALLY ACTUATED VALVE
251/129.15 .Including solenoid
- 2 251/337 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/336 BIASED VALVE
251/337 .Springs and spring retainers
- 2 251/356 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/356 VALVE
- 2 359/363 (0 OR, 2 XR)
Class 359 : OPTICS: SYSTEMS
359/362 COMPOUND LENS SYSTEM
359/363 .With image recorder
- 2 369/179 (1 OR, 1 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/176 DYNAMIC MECHANISM SUBSYSTEM
369/178.01 .Access of multiple storage elements (e.g.,
record changer)
369/179 ..Cylindrical storage element